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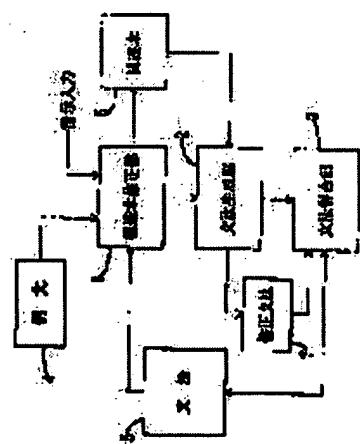
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(54) GRAMMAR EDITING PROCESSOR

(57)Abstract:

PURPOSE: To facilitate the correction of grammar by correcting a structure tree shown for an input example sentence into a necessary syntax structure, generating automatically the grammar out of the corrected structure tree, and replacing the relevant part of the original grammar with the generated and corrected grammar.

CONSTITUTION: A structure tree correcting part 1 analyzes the syntax of a given example sentence 4 of a program based on the prescribed grammar 5 and displays a prescribed structure tree 6. Then the part 1 corrects the tree 6 with the prescribed instruction input. A grammar generating part 2 analyzes the corrected tree 6 and generates the grammar corresponding to the tree 6 obtained by correcting the sentence 4 to use it as the corrected grammar 7. Then a grammar merging part 3 preserves the rules of the prescribed grammar 5 out of the grammar 7 in regard of the grammar rules equivalent to the grammar 5 and replaces the relevant part of the grammar 5 with the grammar 7. Thus it is possible to learn the necessary grammar out of the sentence 4 and to automatically correct the grammar.



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